

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: to be assigned Confirmation No.:
Applicant(s): Mukkavilli et al.
Filed: herewith
Art Unit:
Examiner:
Title: Low Complexity Beamformers for Multiple Transmit and
Receive Antennas

Attorney Docket No.: 873.0132.U1(US)

Customer No.: 29,683

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Information Disclosure Statement

(37 C.F.R. §1.97(b))

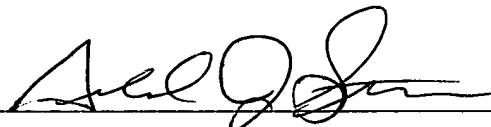
Sir:

The following information is being disclosed to the U.S. Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

Applicant's Attorney is aware of the documents listed on the enclosed Form PTO-1449. The documents listed were cited in an International Search Report issued in the parent International application. A copy of the Search Report is attached.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to Patentability (37 C.F.R. §1.97(h)).

Respectfully submitted,



Gerald J. Stanton (Reg. No. 46,008)

April 26, 2005
Date

Customer No.: 29683

Harrington & Smith, LLP
4 Research Drive
Shelton, CT 06484-6212
203-925-9400

**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 873.0132.U1(US)

Serial No.: to be assigned

Applicant(s): Mukkavilli et al.

10/533248

Filing Date: herewith

Group:

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant	Class	Sub-class
	US-5,933,457	08-03-1999	Hottinen	375	316
	US-6,584,302 B1	06-24-2003	Hottinen et al.	455	69
	US-2002/0013130 A1	01-31-2002	Kim et al.	455	70
	US-2003/0181170 A1	09-25-2003	Sim	455	101
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant	Translation? Yes/No/n/a
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	- -			
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OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).